

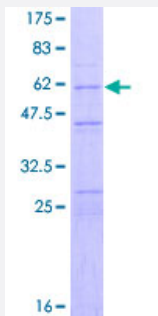
Full-Length

# CASP2 (Human) Recombinant Protein (P01)

Catalog # H00000835-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human CASP2 full-length ORF ( AAH02427.2, 1 a.a. - 452 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MAAPSAGSWSTFQHKELMAADRGRRLGVCGMHPHHQETLKKNRVVLAKQLLLSELLEHLEKDI  
ITLEMRELIQAKVGSFSQNVELLNLLPKRGPQAFDAFCEALRETKQGHLEDMLLTTL SGLQHVLPP  
LSCDYDL SLPFPVCE SCPLYKKLRLSTD TVEHSLDNKDGPLCLQVKPCTPEFYQTHFQLAYRLQS  
RPRGLALVLSNVHFTGEKELEFRSGGDVDHSTLVTLFKLLGYDVHVLCDQTAQEMQEKLQNFAQ  
LPAHRVTDSCMALLSHGVEGAYGV DGKLLQLQE VFQLFDNANCP SLQNKPKMFFIQACRGDET  
DRGVDQQDGKNHAGSPGCEESDAGKEKLPKMRLPTRSDMICGYACLKGTAAMRNTRKGSWYIE  
ALAQVFSERACDMHVADMLVKVNALIKDREGYAPGTEFHRCKEMSEYCS T LCRHLYLFP GHPPT

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

77.1

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CASP2

Entrez GeneID [835](#)

GeneBank Accession# [BC002427.2](#)

Protein Accession# [AAH02427.2](#)

Gene Name CASP2

Gene Alias CASP-2, ICH-1L, ICH-1L/1S, ICH1, NEDD2

Gene Description caspase 2, apoptosis-related cysteine peptidase

Omim ID [600639](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. [provided by RefSeq]

**Other Designations** ICH-1 protease|NEDD2 apoptosis regulatory|caspase 2|neural precursor cell expressed, developmentally down-regulated 2

## Disease

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- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
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- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)